Applicant: Ernie Lin et al. Attorney's Docket No.: 12203-007001

Serial No.: 10/723,442 Filed: November 26, 2003

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REMARKS

Rejections over Liebenow (US Pat. 6,522,640), Brandt (US Pat. 4,727,535), and Henderson (US Pat. 6,611,681)

Claims 1-21 stand rejected over Liebenow in combination with Brandt and, in the case of claim 9. Henderson. The applicant previously argued that, in Liebenow.

It is noteworthy that the original analog voiceband signal received at the first unit and processed in the CODEC is not itself modulated for transmission to the second unit, but is converted into a digital signal before modulation and transmission

(response to office action of Dec. 14, 2005).

and previously amended claim 1 to require that "the base unit includes a transmitter for analog modulation of an analog voiceband data signal" and that the remote unit correspondingly includes a receiver for "analog demodulation of the analog voiceband signal" (emphasis added).

This rendered the claims patentable because

"in Liebenow, the analog voiceband data signal is first converted into digital form before modulation for radio transmission, and therefore the analog voiceband signal is not analog modulated."

The examiner has now responded by arguing that

Liebenow clearly disclose a transmitter 50 of the transceiver 46 for analog modulation of an analog voiceband data signal received over a telephone line (office action of June 9, 2006)

and that

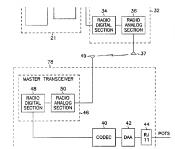
the claim (claim 1) itself is not narrow enough to prevent the analog voiceband data signal received over the telephone line from being processed such as embedding with error-correction data before being analog modulated for transmission

(Id).

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A portion of Figure 2 of Liebenow and an accompanying description is reproduced below for reference:



Base station 38 includes CODEC 40 and DAA 42. CODEC 40 and DAA 42 are identical to CODEC 26 and DAA 28. CODEC 40 and DAA 42 receive signals from DSP 24 in a wireless manner via the transceivers. CODEC 40 and DAA 42 communicate with a POTS via telephone connector 44, which is identical to telephone connector 30. Base station 38 includes transceiver 46 which corresponds to transceiver 32 coupled to modem 21. Transceiver 46 includes digital section 48, corresponding to digital section 32, and analog section 50, which corresponds to analog section 36. Digital signals sent by CODEC 40 for transmission to DSP 24 are embedded with error-correction data by digital section 48 and converted to analog by analog section 50. Similarly, signals sent by DSP 24 wirelessly are received in an analog fashion by section 50 and converted to digital signals, which digital section 48 checks for errors. Transceiver 46 includes an antenna 49 to send and receive wireless radio frequency (RF) signals. (I.e., amenuas 37 and 49 are communicatively coupled to one another.) Base station 38 is preferably powered by a small plug-in AC adapter not shown in FIG. 2.

The applicant disagrees with the Examiner's position. Figure 2 and the accompanying description in Liebenow clearly show that the input to the Radio Analog Section 50 is the output of the Radio Digital Section 48. The Radio Analog Section 50 "corresponds to analog section 36" (col. 5, Il. 10-11), which "converts this digital signal [from digital section 34] to an analog signal for wireless transmission" (col. 4, Il. 61-62, emphasis added). Even though the digital signal passing from the Radio Digital Section 48 to the Radio Analog Section 50 may represent what was, at one point, an analog voiceband signal, the Radio Analog Section 50 does NOT perform analog modulation of an analog voiceband data signal. Embedding error-correction data into the digital signal passed from CODEC 40 to Radio Digital Section 48 may not diverge from claim 1, as the examiner argues, but first converting the signal to digital (in the CODEC 40, see col. 3, Il. 66-67) certainly does. The unambiguous consequence of "analog modulation of an analog voiceband data signal" is to exclude digital-to-analog modulation of a digital signal, whatever data it may contain.

Liebenow absolutely fails to disclose "analog modulation of an analog voiceband data signal." Claim 1 is patentable for at least this reason, as are claims 11, 16, and 17. The remaining claims are all properly dependent on one or more of the independent claims, and thus allowable

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therewith. Each of the dependent claims adds one or more further limitations that enhance patentability, but those limitations are not presently relied upon. For that reason, and not because applicants agree with the examiner, no rebuttal is offered to the examiner's reasons for rejecting the dependent claims.

No fees are believed due at this time. Please apply any charges or credits to deposit account 06-1050.

Respectfully submitted,

Date:September 11, 2006

/ J. Robin Rohlicek / J. Robin Rohlicek, J.D., Ph.D. Reg. No. 43,349.

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